

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 54 AND MD 675 B (US 13 ALT) IN WICOMICO COUNTY. MD 54 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION OPERATES IN A NEMA SIX-PHASE, FULL-TRAFFIC-ACTUATED MODE. THERE WILL BE EXCLUSIVE/PERMISSIVE LEFT TURN MOVEMENTS ON BOTH APPROACHES ALONG MD 675 B. MD 675 B THRU MOVEMENTS WILL RUN CONCURRENTLY. MD 54 THRU MOVEMENTS WILL RUN CONCURRENTLY.

CONTACTS

The contact persons are:

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Mr. Hicham Baassari
Assistant District Engineer - Const.
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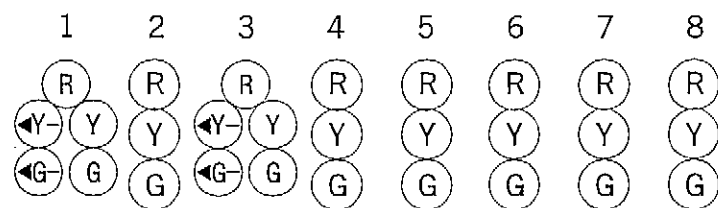
Mr. James Wright
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Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
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Mr. Edward Rodenhizer
Chief SHA Traffic Signal Shop
Phone: (410) 787-7650

PHASE CHART



PHASE 1 AND 5	◀GR	R	◀GR	R	R	R	R	R	R	
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6										
PHASE 1 AND 6	◀GG	G	R	R	R	R	R	R	R	
1 AND 6 CHANGE	◀YY	Y	R	R	R	R	R	R	R	
PHASE 2 AND 5	R	R	◀GG	G	R	R	R	R	R	
2 AND 5 CHANGE	R	R	◀YG	G	R	R	R	R	R	
PHASE 2 AND 6	G	G	G	G	R	R	R	R	R	
2 AND 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	
PHASE 4 AND 8	R	R	R	R	G	G	G	G	G	
4 AND 8 CHANGE	R	R	R	R	Y	Y	Y	Y	Y	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	

EQUIPMENT LIST FOR CONTRACT NO. XX6615185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM	QUANTITY	UNIT	DESCRIPTION
9042	1	EA	[UPDATED] CONTROLLER ASC II WITH TELEMETRY
9044	1	EA	[UPDATED] CONTROLLER CABINET, SIZE 6
9086	1	EA	[UPDATED] VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS
9571	58	SF	[UPDATED] SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
	4	EA	D-3(2) (VAR. x 16") POLE MOUNTED
	2	EA	R3-5(L) (36" x 36") MAST ARM MOUNTED

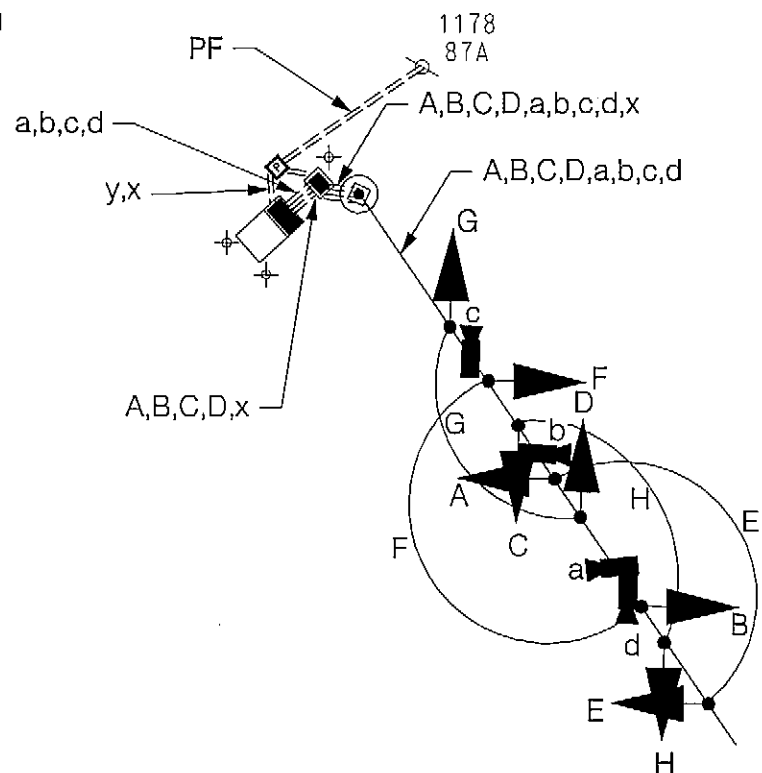
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	2	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
8001	28	EA	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION
8012	1	EA	METERED SERVICE PEDESTAL EMBEDDED
8020	1	EA	MAST ARM POLE & 70' MAST ARM ANY 'T' DIMENSION
8023	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8028	4	EA	VIDEO DETECTION CAMERA AND CABLE ANY LENGTH
8038	50	LF	SCHEDULE 80 RIGID PVC CONDUIT UP TO 4 INCHES - TRENCHED
8040	58	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
8042	35	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8045	30	LF	ELECTRICAL CABLE 1-CONDUCTOR NO. 8 AWG-THHN/THWN
8046	1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8055	110	LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
8056	405	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
8062	1	EA	INSTALL CONTROLLER AND CABINET - BASE MOUNT



WIRING DIAGRAM

MD 54 IS ASSUMED TO RUN IN AN EASTWEST DIRECTION



WIRING KEY

- A,B,C,D } 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- E,F,G,H } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)
- a,b,c,d } VIDEO CAMERA CABLE
- x } NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
- y } 2 WIRE, 1 CONDUCTOR ELECTRICAL CABLE (NO. 8 AWG THHN/THWN)
- PF POWER FEED
- + GROUND ROD

TOD NO: XX661-09
SHA NO: W1345852
MD 675B @ MD 54



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STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 54 (STATE STREET) AT
MD 675 B (US 13 ALT) (BI STATE BLVD.)
DELMAR, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 09/2011 CONTRACT NO. XX6615185

DESIGNED BY CW COUNTY WICOMICO
DRAWN BY CW LOGMILE 22005410.03
CHECKED BY JB TMS NO. J788
F.A.P. NO. TOD NO.

TS NO. 2042D DRAWING - OF SHEET NO. 8 OF 2

PLOTTED: Tuesday, October 18, 2011 AT 01:43 PM
FILE: P:\09-002 TEDD\Task 4 MD 54 @ MD 675\Drawings\CADD\Working\pGG-F000_MD64@MD675.dgn